

Listing of Claims:

The following listing of claims replaces all prior versions, and listings, of claims in the application:

Claim 1 (original): An alloy consisting essentially of rhenium and from about 0.025% up to about 10% by weight tungsten, the alloy exhibiting a room temperature tensile strength in excess of 150 Ksi and an elongation of 25% or greater as measured in accordance with ASTM E8-03.

Claim 2 (original): The alloy according to claim 1 consisting essentially of rhenium and from about 0.025% to about 5% by weight tungsten.

Claim 3 (original): The alloy according to claim 1 consisting essentially of rhenium and from about 0.05% to about 2.5% by weight tungsten.

Claim 4 (original): The alloy according to claim 1 consisting essentially of rhenium and from about 0.06% to about 1.25% by weight tungsten.

Claim 5 (original): An alloy consisting essentially of rhenium and from about 0.025% up to about 10% by weight tungsten formed by a process comprising:
coating a metal powder consisting essentially of rhenium with a liquid comprising a tungsten compound;
drying the coated metal powder;
compressing the coated metal powder to form a compact; and
sintering the compact to form the alloy.

Claim 6 (original): The alloy according to claim 5 consisting essentially of rhenium and from about 0.025% to about 5% by weight tungsten.

Claim 7 (original): The alloy according to claim 5 consisting essentially of rhenium and from about 0.05% to about 2.5% by weight tungsten.

Claim 8 (original): The alloy according to claim 5 consisting essentially of rhenium and from about 0.06% to about 1.25% by weight tungsten.

Claims 9-15 (canceled)

Claim 16 (currently amended): A wire formed of an alloy consisting essentially of rhenium and from about 0.025% up to about 10% by weight tungsten, the alloy exhibiting a room temperature tensile strength in excess of 150 Ksi and an elongation of 25% or greater as measured in accordance with ASTM E8-03.

Claim 17 (original): The wire according to claim 16 wherein the alloy consists essentially of rhenium and from about 0.025% to about 5% by weight tungsten.

Claim 18 (original): The wire according to claim 16 wherein the alloy consists essentially of rhenium and from about 0.05% to about 2.5% by weight tungsten.

Claim 19 (original): The wire according to claim 16 wherein the alloy consists essentially of rhenium and from about 0.06% to about 1.25% by weight tungsten.

Claim 20 (canceled)

Claim 21 (original): An alloy consisting essentially of rhenium and from about 0.025% up to about 10% by weight of a metal selected from the group consisting of tungsten, molybdenum, tantalum, iridium, ruthenium and osmium, the alloy formed by a process comprising:

coating a metal powder consisting essentially of rhenium with a liquid comprising a compound selected from the group consisting of tungsten, molybdenum,

tantalum, iridium, ruthenium and osmium;
drying the coated metal powder;
compressing the coated metal powder to form a compact; and
sintering the compact to form the alloy.

Claims 22-23 (canceled)